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sample arm, an objective having an optical axis for focusing said low temporal coherence transverse, opposing phase, multi-mode light at a plurality of spots, a detection arm into which light is directed by said beam splitter from said reference and sample arms, and means for providing images in response to interference of light in said detection arm.

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18. (amended) A system for imaging a section (or sections) of tissue comprising means for producing a beam having multiple, opposing-phase, transverse propagating modes, means for focusing said beam at a plurality of spots in said section of said tissue in accordance with said multiple, opposing phase, modes in which said modes are capable of overlapping behind the section, and collecting return light from said tissue, and means for detecting said return light combined from said plural spots to provide images representing said section of said tissue.

Please add new Claim 19 as follows:

19. (new) A system for imaging a section of a medium which receives and returns light from the section and from sites adjacent to the section, said system comprising:

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optics for directing light in beams of different transverse modes in said medium across an imaging plane inside the medium and collecting returned light from the medium, wherein said optics further comprise an objective, and said light directed into the medium and said returned light collected from the medium share substantially said objective; and

said beams are overlapping in said medium outside the imaged section to reduce the part of said returned light from the sites adjacent said section on opposite sides of said section in the direction of propagation of the beams.

Remarks

The specification at page 4 is amended to correct an error, as labels FIGS. 2A and 2C in the drawings were inadvertently switched as well as their notations of TEM_{01} and TEM_{03} . The specification at page 6 is further amended to describe that the light focused into the sample and light returned substantially share the objective. This is not new matter as light rays focused and returned through objective 30 are shown in FIG. 2. On page 7, reference numerals 215, 220 and 221 have been added as required by the Examiner. Thus, entry of the amended specification is requested.